

Cruise: SKO0410

Dates: June 26 - July 2, 2004

Expoxide: AGSK20040625

Chief Scientists: not applicable

Equipment: Surface samples collected next to TSG from ship's engine cooling water.

Total number of stations: VOS Underway Cruise

Chemical measurements:

DIC: 14 locations, 20 samples each 500-ml, 12 duplicate samples

PI: Dr. Rik Wanninkhof

Collected by: Denis Pierrot

Analyzed by: Esa Peltola

Salinity: 8 locations, 24 samples each 180-ml, 8 triplicates

PI: Dr. Hedinn Valdimarsson

Collected by: Denis Pierrot

Analyzed by: Magnus Danielsen, Icelandic Marine Research Institute

TALK:

PI: Dr. Frank Millero

Collected by: Denis Pierrot

Analyzed by:

Details:

DIC:

Analysis date: November 9-10, 2004

Coulometer used: AOML1

Blank range: 12.0-12.0 counts/min

CRM # used and assigned value (include both DIC and salinity): Batch 59, c:2007.1
umol/kg,S:33.316

CRM value measured: AOML 1: offset 1.0 umol/kg (2006.1 umol/kg)

Average run time, minimum run time, maximum run time: 10 min, 8 min, 11 min

Reproducibility: (# samples and average difference): 6 sets of duplicate samples, average
difference 0.7 umol/kg

CRM, salinity and HgCl₂ correction applied: yes

Location of analyses files: Esa's computer file/directory/name: My Documents/SOMMA/Lab
Studies/2004 (7) Skogafoss Pierrot SKO410/

Salinity:

Analysis date: Aug, 2004

Reproducibility:

The averages and standard deviations for the eight triplicates:

35.168 (+/- 0.006)
35.076 (+/- 0.003)
34.690 (+/- 0.006)
32.789 (+/- 0.022)
32.463 (+/- 0.002)
31.203 (+/- 0.008)
31.257 (+/- 0.006)
31.919 (+/- 0.001)

UPDATE:

Between March and June of 2021, all of the data for the discrete samples was put into a uniform format. The supporting information was checked for accuracy, especially the expocode, date, time, and positions.